

Title (en)
Substituted indole, benzofuran and benzothiophene derivatives as 5-lipoxygenase inhibitors.

Title (de)
Substituierte Indol-, Benzofuran- und Benzothiophenderivate als 5-Lipoxygenaseinhibitoren.

Title (fr)
Dérivés substitués de l'indole, du benzofuranne et du benzothiophène en tant qu'inhibiteurs de la 5-lipoxygénase.

Publication
EP 0377450 B1 19940727 (EN)

Application
EP 90100085 A 19900103

Priority
US 29352289 A 19890105

Abstract (en)
[origin: EP0377450A1] Provided are substituted indoles, benzofurans, and benzothiophenes of the formula <CHEM> wherein X, R<2> and R<3> are described in the specification. These compounds are 5-lipoxygenase inhibitors and are useful as antiinflammatory agents.

IPC 1-7
C07D 209/08; C07D 307/79; C07D 333/54; A61K 31/40

IPC 8 full level
C07D 209/30 (2006.01); A61K 31/34 (2006.01); A61K 31/343 (2006.01); A61K 31/36 (2006.01); A61K 31/38 (2006.01); A61K 31/381 (2006.01); A61K 31/40 (2006.01); A61K 31/403 (2006.01); A61K 31/404 (2006.01); A61K 31/44 (2006.01); A61K 31/4427 (2006.01); A61K 31/443 (2006.01); A61K 31/4433 (2006.01); A61P 29/00 (2006.01); A61P 43/00 (2006.01); C07D 209/08 (2006.01); C07D 307/79 (2006.01); C07D 307/80 (2006.01); C07D 333/54 (2006.01); C07D 333/56 (2006.01); C07D 401/06 (2006.01); C07D 405/06 (2006.01); C07D 407/06 (2006.01); C07D 409/06 (2006.01); C12N 9/99 (2006.01)

CPC (source: EP KR US)
A61P 29/00 (2017.12 - EP); A61P 43/00 (2017.12 - EP); C07D 209/04 (2013.01 - KR); C07D 209/08 (2013.01 - EP KR US); C07D 307/79 (2013.01 - EP US); C07D 333/54 (2013.01 - EP US); C07D 401/06 (2013.01 - EP US); C07D 409/06 (2013.01 - EP US)

Citation (examination)

- EP 0200443 A1 19861105 - MERCK FROSST CANADA INC [CA]
- EP 0166591 A2 19860102 - MERCK FROSST CANADA INC [CA]
- EP 0165810 A2 19851227 - MERCK FROSST CANADA INC [CA]
- US 4737519 A 19880412 - YAMASHITA AYAKO [US], et al
- HELVETICA CHIMICA ACTA, vol. 54, 1971, Verlag Helvetica Chimica Acta 4002, Basel, Schweiz F. SEEMANN et al. " Beiträge zur Chemie der 4-Hydroxyindol-Verbindungen" pages 2411-2419
- JOURNAL FÜR PRAKTISCHE CHEMIE, vol. 318, 1976, Leipzig N.R. FL-RAYYES et al. "A Synthesis of Benzofuran and Indole Derivatives" pages 816-822

Cited by
FR2806721A1; EP0493404A4; FR2807040A1; EP0655439A3; US7652155B2; EP0780118A1; US6794406B2; WO0172739A1; WO0174803A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0377450 A1 19900711; EP 0377450 B1 19940727; AT E109133 T1 19940815; AU 4769490 A 19900712; AU 628121 B2 19920910; CA 2006201 A1 19900705; CA 2006201 C 19981110; DE 69010921 D1 19940901; DE 69010921 T2 19950309; DK 0377450 T3 19941128; ES 2060818 T3 19941201; FI 900041 A0 19900104; FI 900041 A 19900706; HU 896825 D0 19900328; HU T53073 A 19900928; IL 92971 A0 19900917; IL 92971 A 19930708; JP H02288856 A 19901128; JP H0667924 B2 19940831; KR 900011728 A 19900802; KR 910009936 B1 19911206; NO 174345 B 19940110; NO 174345 C 19940420; NO 900022 D0 19900104; NO 900022 L 19900706; NZ 232000 A 19910326; PT 92785 A 19900731; RU 1799379 C 19930228; US 5093351 A 19920303; ZA 9093 B 19910925

DOCDB simple family (application)
EP 90100085 A 19900103; AT 90100085 T 19900103; AU 4769490 A 19900105; CA 2006201 A 19891220; DE 69010921 T 19900103; DK 90100085 T 19900103; ES 90100085 T 19900103; FI 900041 A 19900104; HU 682589 A 19891229; IL 9297190 A 19900104; JP 14390 A 19900105; KR 900000037 A 19900104; NO 900022 A 19900104; NZ 23200090 A 19900104; PT 9278590 A 19900104; SU 4742832 A 19891229; US 29352289 A 19890105; ZA 9093 A 19900105